Patent Abstracts of Japan

PUBLICATION NUMBER

06093856

PUBLICATION DATE

05-04-94

APPLICATION DATE

10-09-92

APPLICATION NUMBER

04241501

APPLICANT :

NISSAN MOTOR COLTD;

INVENTOR:

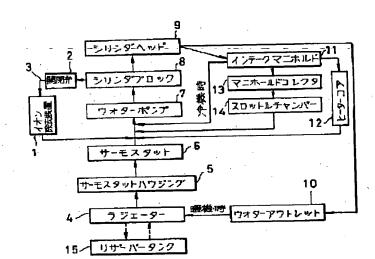
YOSHIMURA TORU;

INT.CL.

F01P 11/06 F02F 1/10

TITLE

COOLING DEVICE OF ENGINE



ABSTRACT :

PURPOSE: To surely prevent etching of magnesium alloy parts in an engine brought in contact with cooling liquid by forming a branch cooling liquid passage branching from the cooling liquid passage of the engine, and arranging inside the passage a device for eliminating ion in the cooling liquid.

EUROPEAN PATENT OFFICE

CONSTITUTION: Magnesium alloy of a light weight and excellent oscillation- resistance is used in an engine for its parts in contact with cooling liquid, for example, a cylinder block 8 and a cylinder head 9. In this case, a branch cooling liquid passage 3 branching from the cylinder block 8 is arranged inside a cooling liquid passage. A valve 2 which opens and closes by detecting a temperature of the cooling liquid, and a device 1 for elimitating ion generated in the cooling water are arranged in the branch cooling passage 3. The cooling liquid from the cylinder head 9 is circulated through the branch cooling liquid passage 3, the cylinder block 8, an ion eliminator 1, and a water pump 7, in accordance with opening of the opening/closing valve 2. Consequently, the ions in the cooling liquid are eliminated, and etching of the magnesium alloy is prevented.

COPYRIGHT: (C)1994,JPO&Japio